

ACT Profile Report - State

Graduating Class 2009
Maine



Table of Contents

Section I: Executive Summary	Page 5
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Meeting College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Section II: Academic Achievement	Page 9
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Meeting College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
Section III: College Readiness & Impact of Course Rigor	Page 15
Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
Section IV: Career and Educational Aspirations	Page 23
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
Section V: Optional Writing Test Results	Page 27
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2009 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2009 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

34% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 1,438 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 66% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 3% of the cohort took less than three years of math courses. Of these students, 35% were college ready. 8% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 8% of these students were college ready. In comparison, 67% of the students who advanced beyond minimum math core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 4% of the cohort took less than three years of natural science courses. 27% of these students were college ready. In comparison, 41% of students who took at least three years of science coursework were college ready.

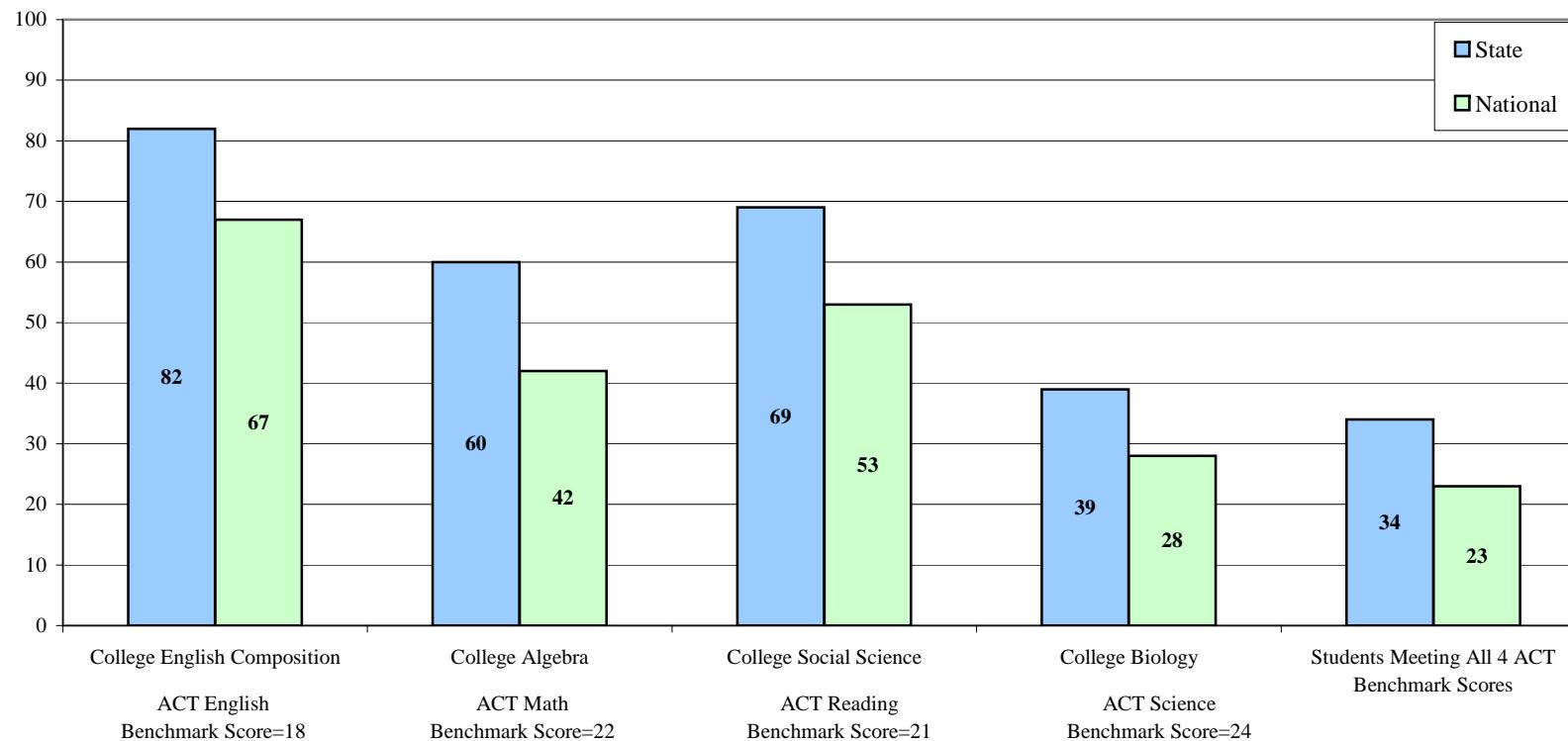
EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 31% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 518-869-7378.

Section I

Executive Summary

Figure 1.1. Percent of Your Students Ready for College-Level Coursework

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested		Percent Meeting Benchmarks									
	State	National	English		Mathematics		Reading		Science		Meeting All Four	
			State	National	State	National	State	National	State	National	State	National
2005	1,476	1,186,251	78	68	50	41	62	51	35	26	28	21
2006	1,536	1,206,455	78	69	51	42	65	53	33	27	28	21
2007	1,600	1,300,599	80	69	53	43	63	53	33	28	28	23
2008	1,527	1,421,941	81	68	56	43	65	53	37	28	30	22
2009	1,438	1,480,469	82	67	60	42	69	53	39	28	34	23

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
	State	National	English		Mathematics		Reading		Science		Composite	
			State	National	State	National	State	National	State	National	State	National
2005	1,476	1,186,251	22.1	20.4	22.0	20.7	23.1	21.3	21.9	20.9	22.4	20.9
2006	1,536	1,206,455	22.0	20.6	21.9	20.8	23.1	21.4	21.6	20.9	22.3	21.1
2007	1,600	1,300,599	22.4	20.7	22.2	21.0	22.9	21.5	21.8	21.0	22.5	21.2
2008	1,527	1,421,941	22.7	20.6	22.5	21.0	23.2	21.4	22.0	20.8	22.7	21.1
2009	1,438	1,480,469	23.0	20.6	23.0	21.0	23.6	21.4	22.3	20.9	23.1	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested		Average ACT Scores					
	State	National	English	Mathematics	Reading	Science	Composite	
			State	National	State	National	State	National
2005	1,186,251		20.4	20.7	21.3	20.9	20.9	
2006	1,206,455		20.6	20.8	21.4	20.9	21.1	
2007	1,300,599		20.7	21.0	21.5	21.0	21.2	
2008	1,421,941		20.6	21.0	21.4	20.8	21.1	
2009	1,480,469		20.6	21.0	21.4	20.9	21.1	

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Year	Number of Students Tested		Percent ²		English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2005	587	610	40	41	22.5	22.0	22.3	21.9	23.6	23.1	22.4	21.9	22.8	22.4
2006	591	584	38	38	22.6	21.7	22.4	21.5	23.9	22.8	22.2	21.4	22.9	22.0
2007	600	585	38	37	22.8	22.5	22.4	22.3	23.2	23.0	22.0	21.9	22.7	22.6
2008	818	489	54	32	22.9	22.9	22.5	23.0	23.5	23.4	22.3	22.1	22.9	23.0
2009	945	412	66	29	23.2	23.4	23.1	23.4	23.9	23.7	22.4	22.6	23.3	23.4

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2005			2006			2007			2008			2009		
	N	%	Avg												
All Students	1,476	100	22.4	1,536	100	22.3	1,600	100	22.5	1,527	100	22.7	1,438	100	23.1
African American/Black	18	1	15.3	34	2	16.9	32	2	17.2	29	2	18.6	24	2	18.4
American Indian/Alaska Native	6	0	21.2	10	1	19.4	7	0	20.7	8	1	19.3	7	0	21.1
Caucasian American/White	1,195	81	22.5	1,134	74	22.6	1,131	71	22.6	1,173	77	22.8	1,208	84	23.4
Hispanic	16	1	19.1	18	1	19.6	33	2	22.3	23	2	19.5	23	2	20.3
Asian American/Pacific Islander	31	2	22.7	25	2	20.0	28	2	21.8	26	2	22.7	30	2	23.6
Other/No Response	210	14	22.8	315	21	22.4	369	23	22.6	268	18	23.1	146	10	22.6

Section II

Academic Achievement

Total Students in Report: 1,438

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	5	100	10	100	19	100	7	100	2	100	36
35	30	100	13	99	6	99	7	100	1	100	35
34	17	98	20	98	45	98	11	99	10	100	34
33	35	96	29	97	58	95	10	98	15	99	33
32	33	94	28	95	34	91	7	98	29	98	32
31	39	92	32	93	68	89	27	97	32	96	31
30	56	89	33	91	58	84	26	95	54	94	30
29	57	85	63	89	75	80	44	93	72	90	29
28	64	81	68	84	58	75	47	90	79	85	28
27	68	77	73	79	66	71	56	87	87	80	27
26	80	72	102	74	53	66	86	83	102	74	26
25	99	66	111	67	62	62	133	77	87	66	25
24	95	59	121	60	112	58	100	68	96	60	24
23	84	53	86	51	83	50	135	61	117	54	23
22	98	47	72	45	93	45	115	52	106	46	22
21	83	40	74	40	97	38	107	44	96	38	21
20	100	34	62	35	80	31	135	36	111	32	20
19	71	27	71	31	70	26	116	27	91	24	19
18	67	23	72	26	49	21	73	19	64	17	18
17	58	18	113	21	57	18	46	14	59	13	17
16	60	14	101	13	58	14	43	10	39	9	16
15	48	10	59	6	38	10	31	7	42	6	15
14	20	6	16	2	32	7	21	5	24	3	14
13	23	5	5	1	32	5	23	4	14	2	13
12	10	3	3	1	19	2	11	2	6	1	12
11	11	3	0	1	7	1	12	1	1	1	11
10	10	2	1	1	6	1	1	1	1	1	10
9	9	1	0	1	2	1	5	1	1	1	9
8	7	1	0	1	1	1	1	1	0	1	8
7	0	1	0	1	0	1	1	1	0	1	7
6	1	1	0	1	0	1	1	1	0	1	6
5	0	1	0	1	0	1	0	1	0	1	5
4	0	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	23.0 (5.8)		23.0 (5.3)		23.6 (6.0)		22.3 (4.8)		23.1 (4.8)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score	
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry			
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP		
18	93	100	23	100	65	100	124	100	87	100	25	100	27	100	18	
17	92	94	20	98	88	95	69	91	109	94	18	98	21	98	17	
16	99	87	115	97	108	89	155	87	105	86	68	97	69	97	16	
15	117	80	146	89	141	82	190	76	140	79	80	92	121	92	15	
14	108	72	145	79	90	72	156	63	126	69	190	87	163	83	14	
13	103	65	159	69	129	66	58	52	129	61	121	74	218	72	13	
12	111	57	215	58	163	57	128	48	170	52	189	65	117	57	12	
11	134	50	136	43	109	45	124	39	115	40	154	52	188	49	11	
10	176	40	169	33	132	38	91	30	114	32	235	41	151	36	10	
9	123	28	124	22	154	29	84	24	89	24	165	25	126	25	9	
8	77	20	76	13	92	18	104	18	121	18	104	13	112	16	8	
7	92	14	48	8	99	12	55	11	98	9	31	6	30	9	7	
6	50	8	23	4	32	5	42	7	25	2	10	4	50	7	6	
5	30	4	15	3	20	3	38	4	4	1	33	3	24	3	5	
4	23	2	16	2	6	1	9	1	3	1	5	1	11	1	4	
3	5	1	7	1	6	1	7	1	3	1	9	1	5	1	3	
2	4	1	1	1	3	1	4	1	0	1	0	1	5	1	2	
1	1	1	0	1	1	1	0	1	0	1	1	1	0	1	1	
Avg (SD)	11.8 (3.7)		11.8 (3.0)		11.9 (3.5)		12.5 (3.7)		12.3 (3.4)		11.4 (2.9)		11.5 (3.0)		Avg (SD)	

¹CP is the cumulative percent of students at or below a score point.**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	27	27	29	25	27
Q2 (50th Percentile)	23	23	23	22	23
Q1 (25th Percentile)	19	18	19	19	20

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score Core or More	Average ACT Composite Score Less Than Core
State	All Students	1,438	66	23.3	23.4
	African American/Black	24	63	17.7	19.8
	American Indian/Alaska Native	7	86	23.0	10.0
	Caucasian American/White	1,208	68	23.4	23.6
	Hispanic	23	39	21.0	20.5
	Asian American/Pacific Islander	30	60	24.7	21.9
	Other/No Response	146	54	23.2	23.5
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	23.0	23.0	23.6	22.3	23.1
	African American/Black	16.9	19.2	19.1	18.5	18.4
	American Indian/Alaska Native	20.9	20.0	23.1	20.3	21.1
	Caucasian American/White	23.4	23.1	23.9	22.4	23.4
	Hispanic	19.7	20.4	20.4	20.2	20.3
	Asian American/Pacific Islander	22.0	26.3	22.6	23.0	23.6
	Other/No Response	22.0	23.2	22.7	22.0	22.6
National	All Students	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	87	6	72	5	128	9	35	2
	28 to 32	249	17	224	16	293	20	151	11
	24 to 27	342	24	407	28	293	20	375	26
	20 to 23	365	25	294	20	353	25	492	34
	16 to 19	256	18	357	25	234	16	278	19
	13 to 15	91	6	80	6	102	7	75	5
	01 to 12	48	3	4	0	35	2	32	2
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	565	39	22.3	24.0	23.3	22.9	23.3
	Females	861	60	23.5	22.4	23.8	21.9	23.0
	Missing	12	1	22.4	24.1	25.0	23.1	23.8
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students					Meet All Four
		English	Mathematics	Reading	Science	All Four	
State	Males	79	67	67	45	40	
	Females	84	55	70	35	30	
National	Males	65	47	52	33	27	
	Females	69	38	53	24	20	

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ³	Avg
State	Core or More ²	945	83	23.2	61	23.1	69	23.9	40	22.4	34	23.3
	Less than Core	412	84	23.4	62	23.4	71	23.7	40	22.6	36	23.4
	Missing	81	59	19.1	38	20.1	47	20.4	23	20.2	19	20.1
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

¹"Curriculum Taken" reflects overall high school curriculum in this table.²"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.³Composite CRB% results reflect students who meet all four subject-area benchmarks.**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	1,333	84	23.3	1,325	62	23.3	993	69	23.8	1,310	41	22.5
	Less than Core	27	67	20.6	35	23	19.1	365	74	24.0	48	21	19.8
	Missing	78	58	19.0	78	38	20.1	80	46	20.4	80	24	20.2
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

¹"Curriculum Taken" reflects content-specific curriculum in this table.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the

Impact of Course Rigor

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

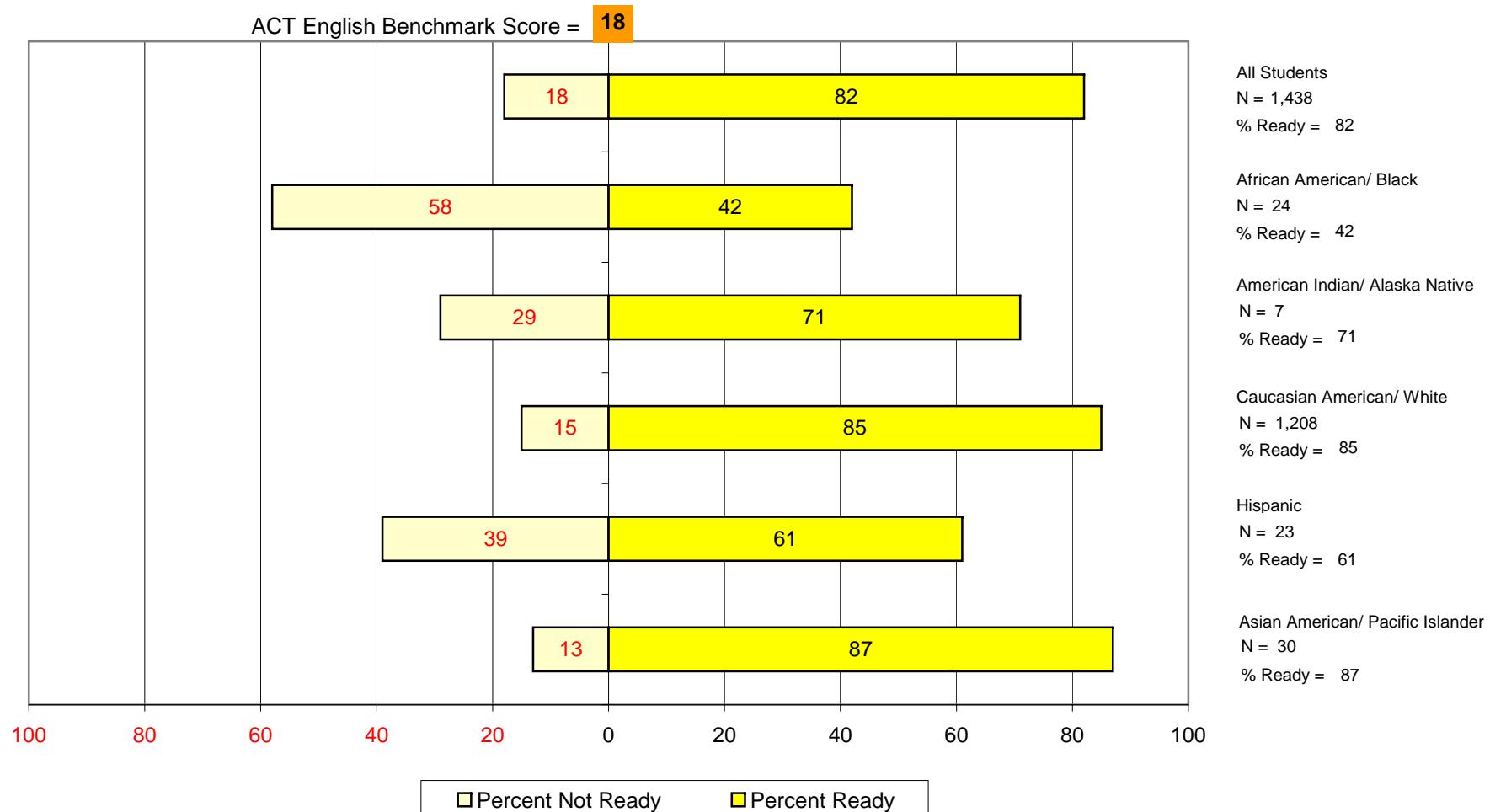


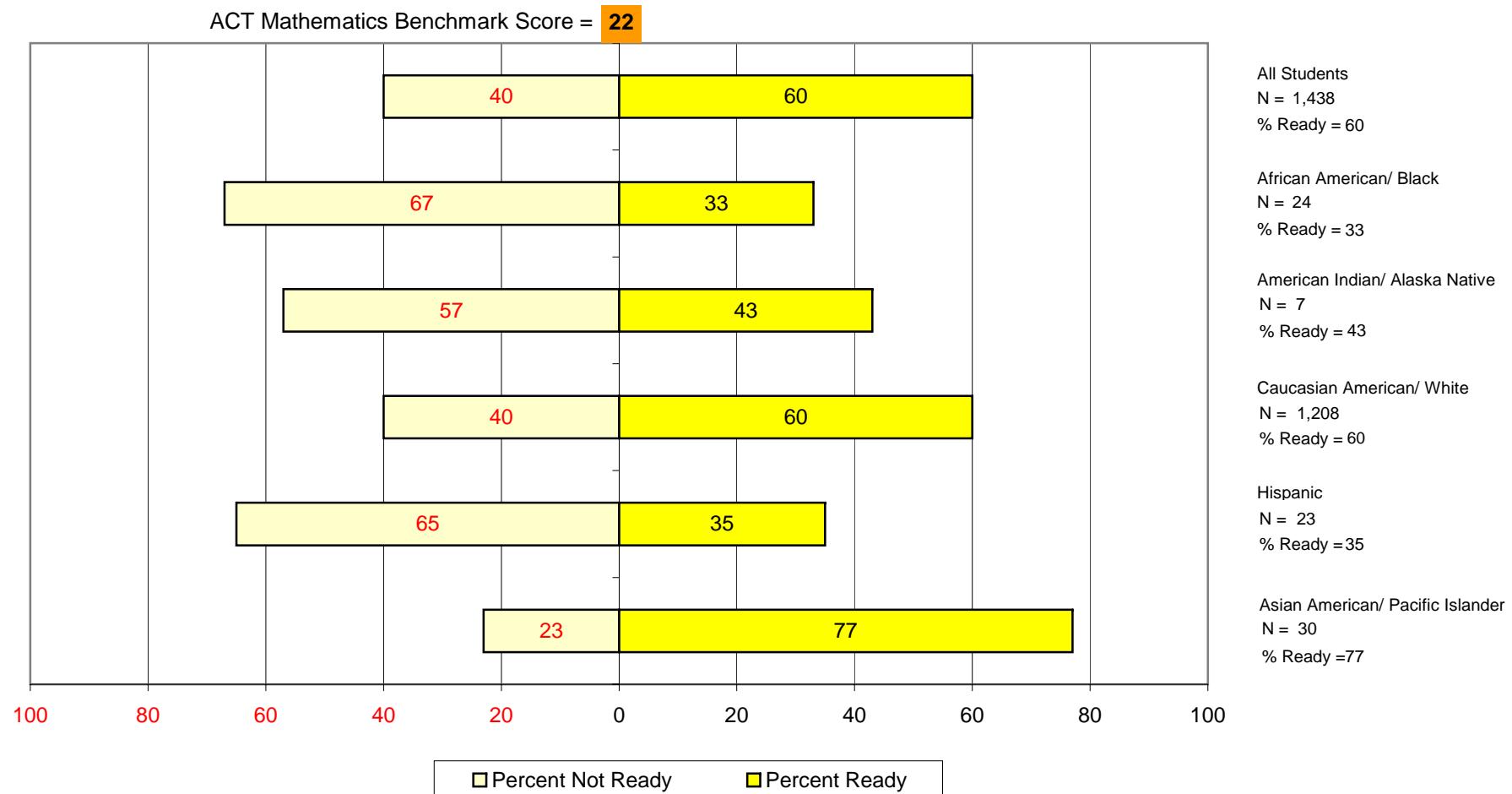
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

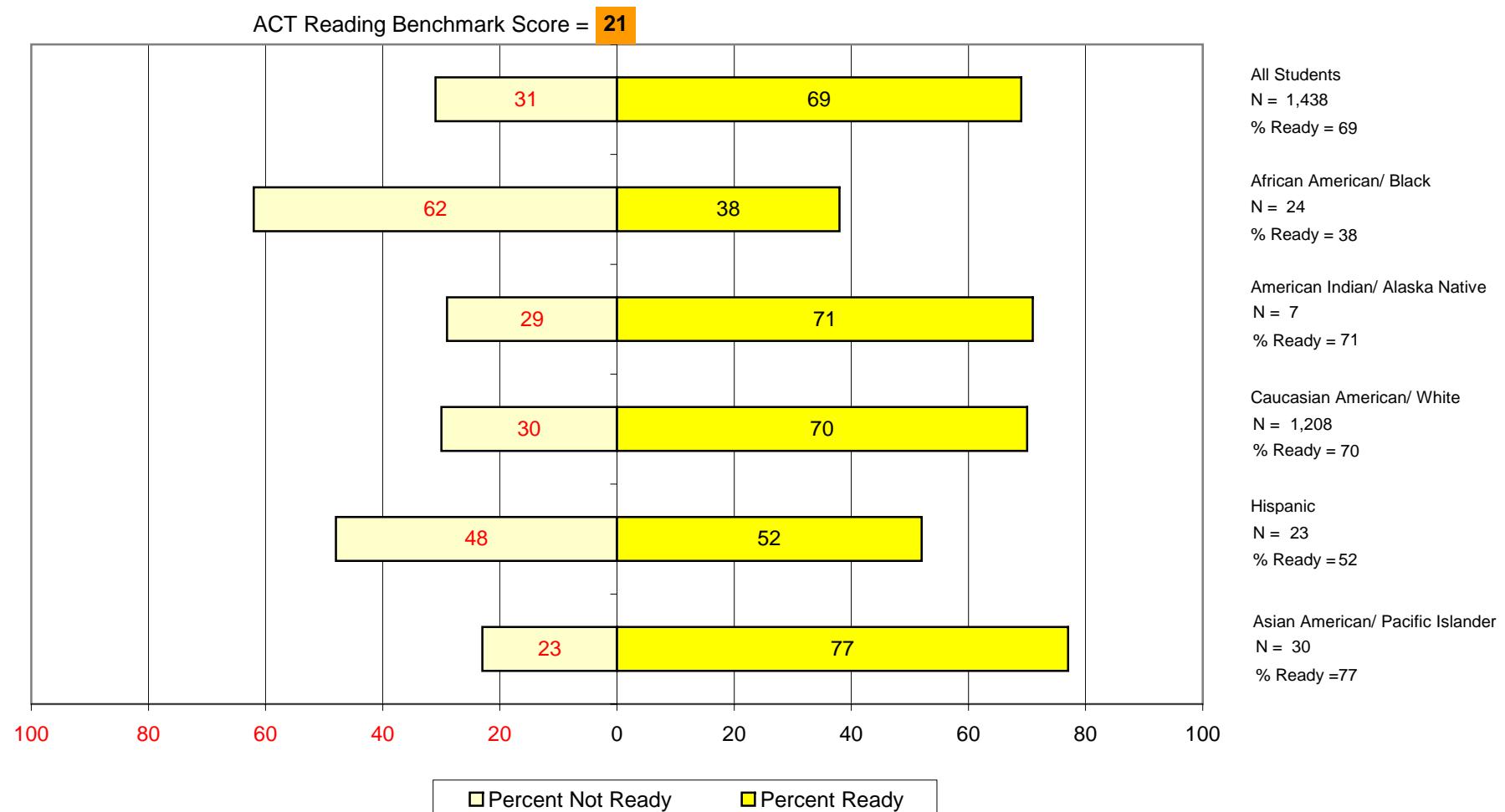


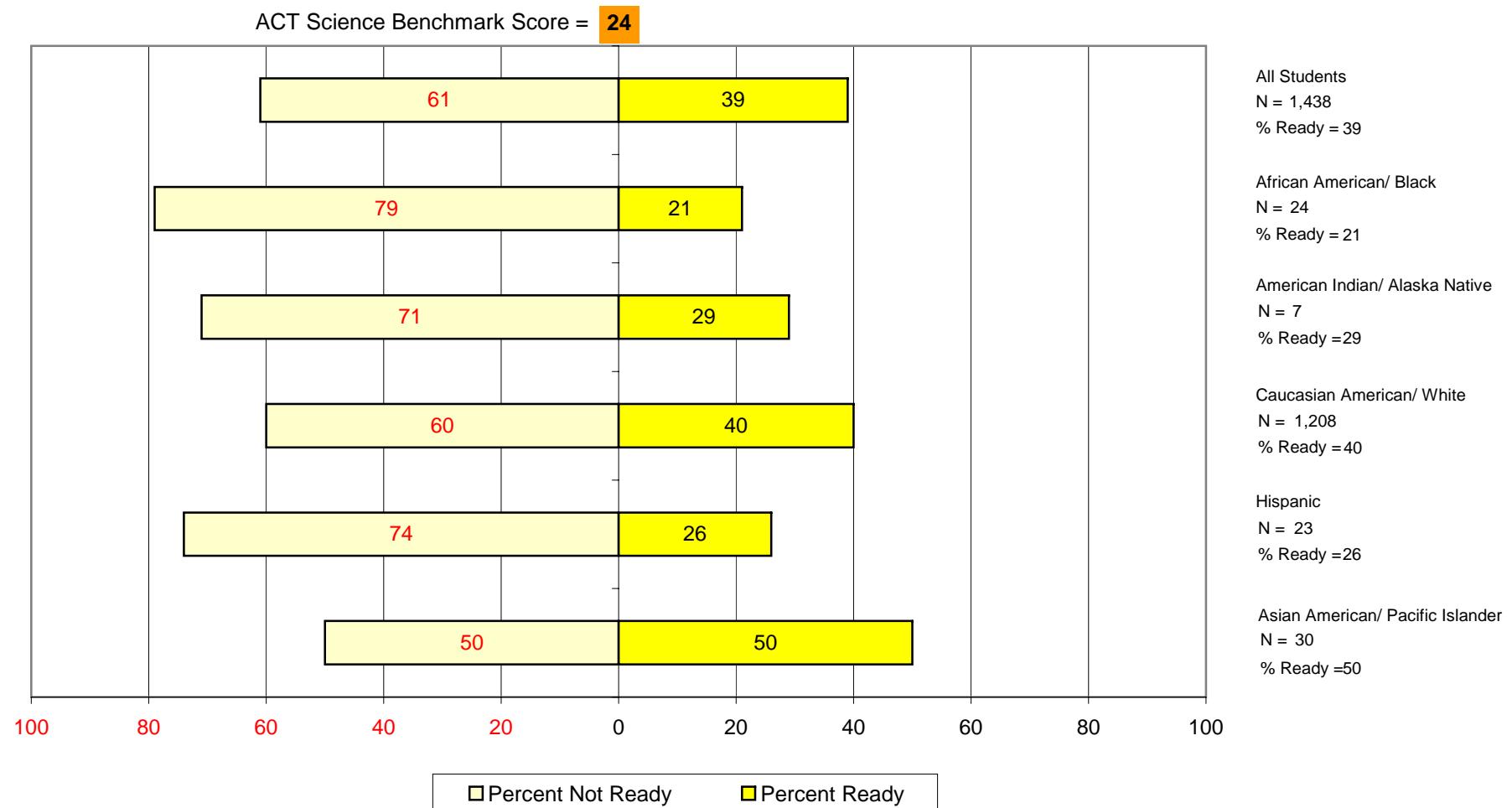
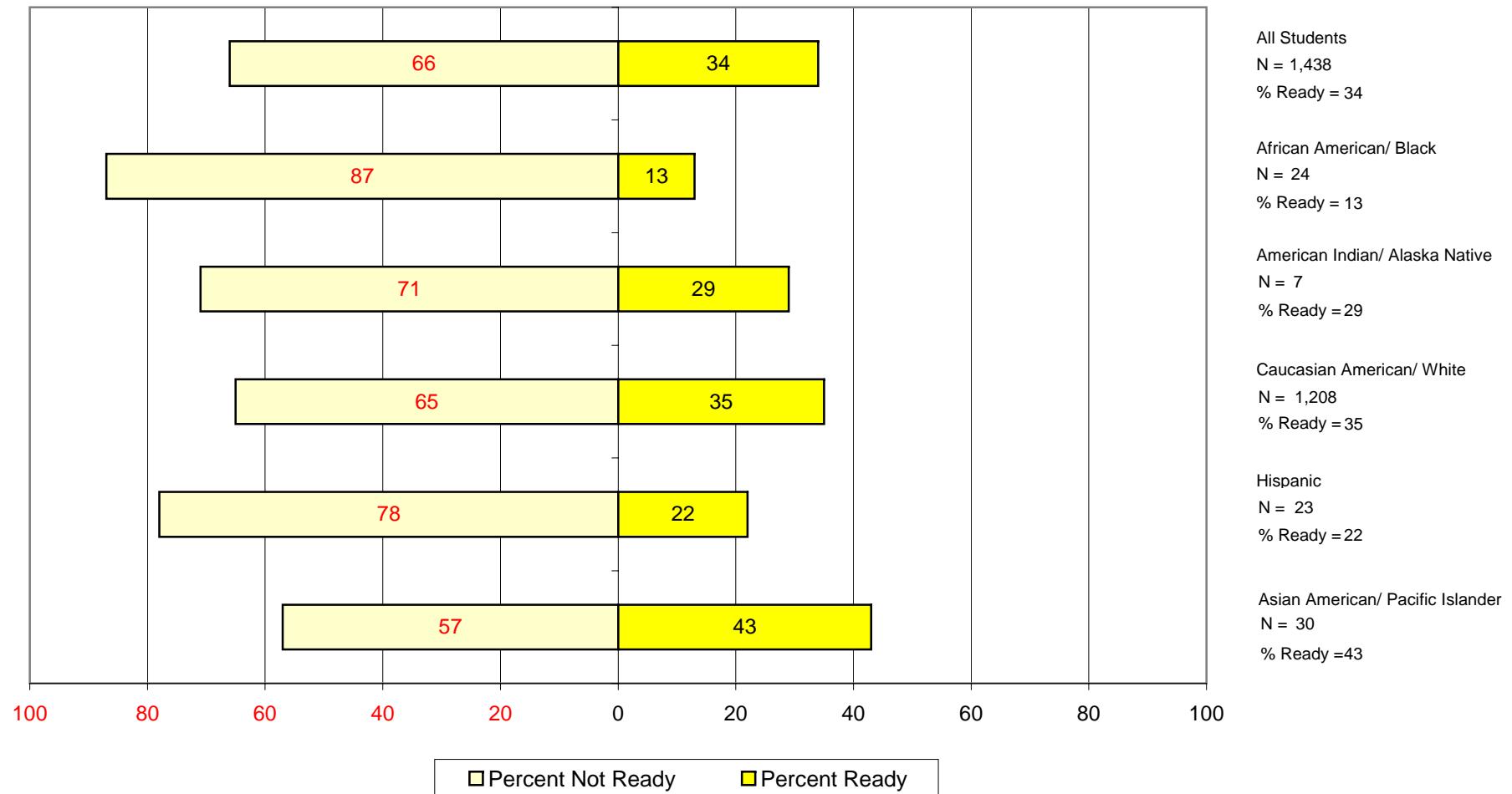
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 1,438

Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students					Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	
ENGLISH COURSE PATTERN													
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	347	24	24.0	3.1	117	21	23.6	4.7	226	26	24.2	1.4	
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	986	69	23.1	2.2	389	69	22.7	3.8	596	69	23.4	0.6	
Less than 4 years of English	41	3	20.9	-	16	3	18.9	-	18	2	22.8	-	
No English course/grade information reported	64	4	18.5	-	43	8	17.4	-	21	2	20.5	-	
MATHEMATICS COURSE PATTERN	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	
Alg 1, Alg 2, Geom, Trig, & Calc	99	7	26.8	6.5	44	8	27.0	6.4	55	6	26.6	7.3	
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	121	8	22.8	2.5	45	8	23.6	3.0	76	9	22.4	3.1	
Alg 1, Alg 2, Geom, & Trig	85	6	20.4	0.1	33	6	21.1	0.5	52	6	19.9	0.6	
Alg 1, Alg 2, Geom, & Other Adv Math	271	19	21.1	0.8	80	14	21.8	1.2	191	22	20.8	1.5	
Other comb of 4 or more years of Math	568	39	25.5	5.2	242	43	26.7	6.1	322	37	24.7	5.4	
Alg 1, Alg 2, & Geom (Min. Core)	113	8	17.3	-3.0	40	7	18.1	-2.5	73	8	16.9	-2.4	
Other comb of 3 or 3.5 years of Math	68	5	22.9	2.6	22	4	25.0	4.4	45	5	22.0	2.7	
Less than 3 years of Math	49	3	20.3	-	16	3	20.6	-	26	3	19.3	-	
No Math course/grade information reported	64	4	19.3	-	43	8	19.2	-	21	2	19.6	-	
SOCIAL SCIENCE COURSE PATTERN	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	
US Hist, World Hist, Am Gov, & Other Hist	81	6	24.6	0.6	33	6	25.0	2.0	48	6	24.4	-0.1	
Other comb of 4 or more years Social Science	428	30	24.0	0.0	174	31	24.5	1.5	253	29	23.6	-0.9	
US Hist, World Hist, & Am Gov (Min. Core)	74	5	23.0	-1.0	28	5	22.4	-0.6	46	5	23.4	-1.1	
Other comb of 3 or 3.5 years of Social Science	410	29	23.5	-0.5	164	29	23.4	0.4	245	28	23.6	-0.9	
Less than 3 years of Social Science	379	26	24.0	-	123	22	23.0	-	246	29	24.5	-	
No Soc Sci course/grade information reported	66	5	19.3	-	43	8	18.3	-	23	3	21.2	-	
NATURAL SCIENCE COURSE PATTERN	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	
Gen Sci ² , Bio, Chem, & Phys	903	63	23.0	2.3	390	69	23.5	3.5	509	59	22.6	2.1	
Bio, Chem, Phys	92	6	24.2	3.5	35	6	25.1	5.1	57	7	23.6	3.1	
Gen Sci ² , Bio, Chem (Min. Core)	298	21	20.8	0.1	72	13	21.4	1.4	225	26	20.6	0.1	
Other comb of 3 years of Natural Science	17	1	19.4	-1.3	3	1	22.3	2.3	14	2	18.7	-1.8	
Less than 3 years of Natural Science	63	4	20.7	-	22	4	20.0	-	34	4	20.5	-	
No Nat Sci course/grade information reported	65	5	19.5	-	43	8	19.3	-	22	3	19.9	-	

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.²Includes General, Physical and Earth Sciences.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	N	State			National			
		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	347	24	24.0	86	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	986	69	23.1	83	1,029,431	70	20.6	68
Less than 4 years of English	41	3	20.9	68	74,090	5	16.7	42
No English course/grade information reported	64	4	18.5	55	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	99	7	26.8	90	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	121	8	22.8	66	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	85	6	20.4	33	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	271	19	21.1	47	220,868	15	20.1	36
Other comb of 4 or more years of Math	568	39	25.5	79	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	113	8	17.3	8	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	68	5	22.9	60	70,732	5	20.1	35
Less than 3 years of Math	49	3	20.3	35	105,591	7	16.5	7
No Math course/grade information reported	64	4	19.3	33	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	81	6	24.6	77	46,754	3	22.8	61
Other comb of 4 or more years Social Science	428	30	24.0	71	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	74	5	23.0	64	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	410	29	23.5	66	420,236	28	21.3	52
Less than 3 years of Social Science	379	26	24.0	74	152,775	10	19.7	40
No Soc Sci course/grade information reported	66	5	19.3	39	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	903	63	23.0	45	563,824	38	22.2	39
Bio, Chem, Phys	92	6	24.2	52	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	298	21	20.8	26	459,833	31	20.1	21
Other comb of 3 years of Natural Science	17	1	19.4	24	41,353	3	19.8	21
Less than 3 years of Natural Science	63	4	20.7	27	233,215	16	18.4	11
No Nat Sci course/grade information reported	65	5	19.5	18	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	9	1	23.3	1	8	17.0	7	1	23.3
Architecture & Environmental Design	20	1	22.4	0	0	.	20	2	22.4
Business & Management	159	11	22.3	1	8	19.0	135	11	22.3
Business & Office	3	0	21.7	0	0	.	1	0	23.0
Marketing & Distribution	8	1	20.9	0	0	.	8	1	20.9
Communications & Comm. Technologies	42	3	22.1	1	8	10.0	41	3	22.4
Community & Personal Services	8	1	23.3	0	0	.	7	1	24.3
Computer & Information Sciences	9	1	22.4	0	0	.	9	1	22.4
Cross-Disciplinary Studies	10	1	25.8	0	0	.	9	1	25.4
Education	36	3	21.6	0	0	.	32	3	21.1
Teacher Education	19	1	22.3	1	8	30.0	15	1	22.5
Engineering	70	5	25.1	0	0	.	66	6	25.2
Engineering-Related Technologies	44	3	23.4	0	0	.	37	3	23.7
Foreign Languages	20	1	26.5	0	0	.	17	1	25.9
Health Sciences & Allied Health Fields	230	16	21.9	4	31	16.5	213	18	22.0
Human, Family & Consumer Science	10	1	20.3	1	8	16.0	8	1	21.4
Letters	14	1	26.9	0	0	.	12	1	27.8
Mathematics	13	1	27.3	0	0	.	13	1	27.3
Philosophy, Religion & Theology	11	1	24.5	0	0	.	9	1	25.2
Sciences (Biological & Physical)	149	10	24.7	1	8	16.0	139	12	24.7
Social Sciences	123	9	24.6	0	0	.	115	10	24.5
Trade & Industrial	3	0	20.0	0	0	.	2	0	21.5
Visual & Performing Arts	71	5	22.8	0	0	.	65	5	22.7
Undecided	268	19	23.9	3	23	15.7	197	17	24.0
No Response	89	6	19.5	0	0	.	8	1	21.9

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N count for All Students.²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	0	-	0	-	0	-	0	-	0	-	0	-	0	-
2-yr College Degree	13	17.0	0	-	1	10.0	11	17.8	0	-	0	-	1	15.0
Bachelors Degree	447	21.3	8	16.3	2	20.0	401	21.6	4	17.5	10	20.3	22	19.5
Graduate Study	350	24.4	4	16.0	2	24.0	308	24.5	3	23.3	5	26.0	28	24.9
Prof. Level Degree	388	25.0	4	25.3	2	25.0	326	25.2	7	24.3	14	24.9	35	23.9
Other	13	21.2	0	-	0	-	8	20.3	0	-	0	-	5	22.6
No Response	227	22.1	8	18.4	0	-	154	22.5	9	17.6	1	26.0	55	22.0

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Total	Number of Students			Percent of Students in College Readiness Standards Ranges					
			1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF MAINE AT ORONO	Maine	194	61	133	0	6	29	34	19	12	1
		72	13	59	1	8	40	32	15	3	0
		64	18	46	2	6	25	39	20	8	0
		52	18	34	0	21	38	27	8	6	0
NORTHEASTERN UNIVERSITY	Massachusetts	46	11	35	0	4	9	39	37	11	0
BOSTON UNIVERSITY	Massachusetts	44	19	25	0	2	16	32	30	18	2
		43	10	33	0	5	16	51	21	7	0
		40	18	22	0	0	10	25	48	18	0
		38	13	25	0	0	3	24	47	26	0
UNIVERSITY OF VERMONT	Vermont	38	7	31	0	0	5	47	32	16	0
TUFTS UNIVERSITY	Massachusetts	27	14	13	0	0	0	11	33	48	7
		23	8	15	0	13	57	26	4	0	0
		22	6	16	0	0	0	14	41	41	5
		22	9	13	0	9	45	32	14	0	0
UNIVERSITY OF MAINE AT FARMINGTON	Maine	22	5	17	0	0	41	23	23	14	0
BROWN UNIVERSITY	Rhode Island	21	12	9	0	0	5	5	43	48	0
		20	6	14	5	0	45	40	5	5	0
		19	8	11	0	11	5	37	37	11	0
		19	4	15	0	0	26	32	32	11	0
DARTMOUTH COLLEGE	New Hampshire	18	7	11	0	0	6	0	33	56	6
NCAA ELIGIBILITY CENTER	Indiana	17	11	6	12	6	12	41	24	6	0
		17	4	13	0	0	12	53	35	0	0
		17	6	11	0	0	12	35	35	18	0
		16	6	10	0	19	38	38	0	6	0
CORNELL UNIVERSITY	New York	15	6	9	0	7	7	7	20	60	0
BATES COLLEGE	Maine	14	4	10	0	0	7	7	43	36	7
		14	2	12	0	0	14	14	36	29	7
		14	9	5	0	7	0	14	43	36	0
		13	6	7	0	0	15	38	31	15	0
GORDON COLLEGE-MA	Massachusetts	13	1	12	0	0	8	8	31	46	8
HARVARD COLLEGE	Massachusetts	13									
All Other Institutions		1,152	334	818	0	6	14	28	30	21	2
Total		2,146	656	1,490	0	5	17	29	28	18	2

Section V

Optional Writing Test Results

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing

	N		English		Average ACT Scores			
					Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	1,173	814,713	23.6	21.5	7.7	7.2	22.9	20.8
African American/Black	17	96,225	18.6	16.5	6.8	6.4	18.5	16.5
American Indian/Alaska Native	5	5,489	21.8	18.9	7.0	6.7	21.0	18.5
Caucasian American/White	978	497,164	24.0	22.8	7.8	7.3	23.3	21.9
Hispanic	21	85,681	20.2	18.4	7.4	7.0	20.1	18.4
Asian American/Pacific Islander	27	44,716	22.8	23.5	7.2	7.6	21.9	22.8
Other/No Response	125	85,438	22.4	21.4	7.4	7.2	21.7	20.8
Males	436	357,025	23.1	21.1	7.5	6.9	22.3	20.3
Females	726	455,190	24.0	21.7	7.9	7.4	23.3	21.2
Missing	11	2,498	21.7	22.1	7.8	7.2	21.5	21.3

